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California's Natural Gas Context

Supply/Demand Outlook and Concerns for this Winter

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Presentation Topics

- Background facts about natural gas in the US and California
- Why prices will be higher this winter
- Impacts of higher prices on consumers
- What's being done to cushion the impact



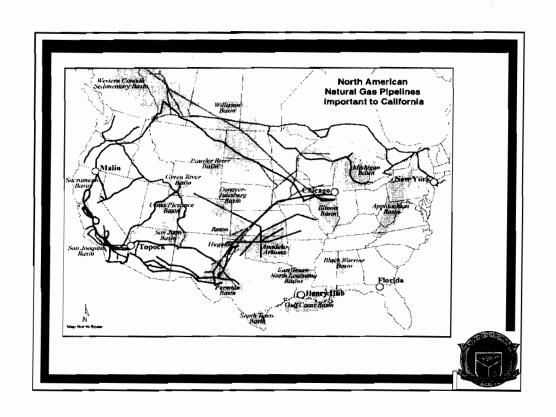
California's NG Outlook

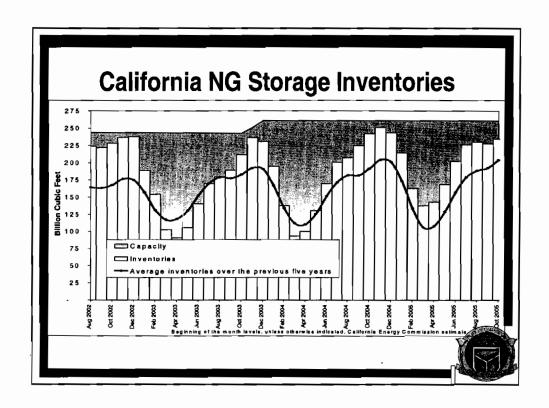
- Good news:
 - □ Current reliability good
 - □ Recent infrastructure improvements help
 - ☐ Storage inventories good
 - ☐ Higher public awareness of NG issues
 - ☐ Aggressive energy efficiency and renewable programs
 - □ CA NG R&D program is helping
 - □NG has helped "clear the air"

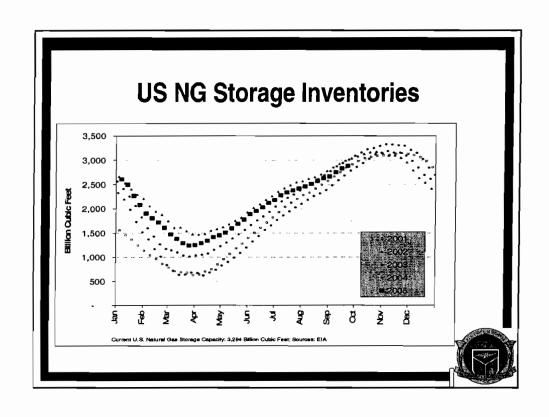


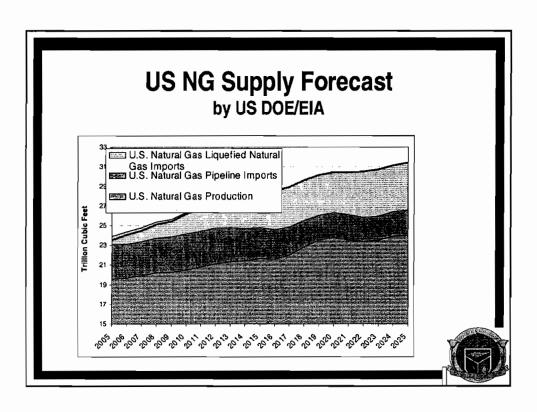
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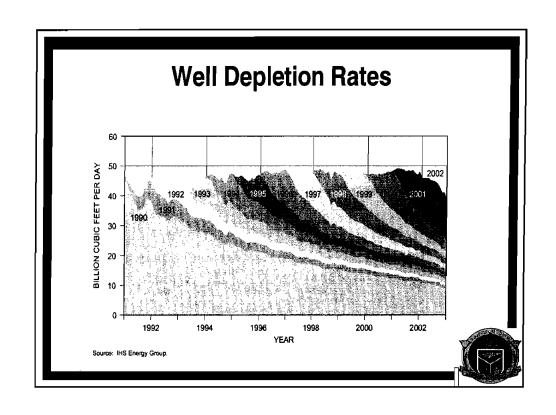
- Bad news:
 - □ NG prices are much higher now
 - ☐ Prices will be even higher this winter
 - □ NG is the dominant fuel for power plants
 - ◆ Up to 50% of generation
 - ☐ CA imports 87% of its NG
 - □ CA is at the end of the pipeline
 - ☐ CA competes with other major US markets for NG
 - ☐ The US long term supply/demand balance outlook is pessimistic

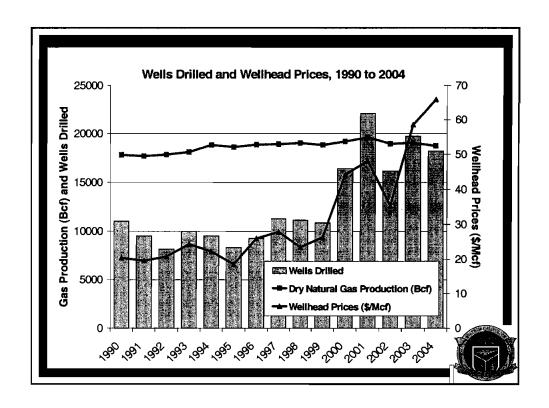


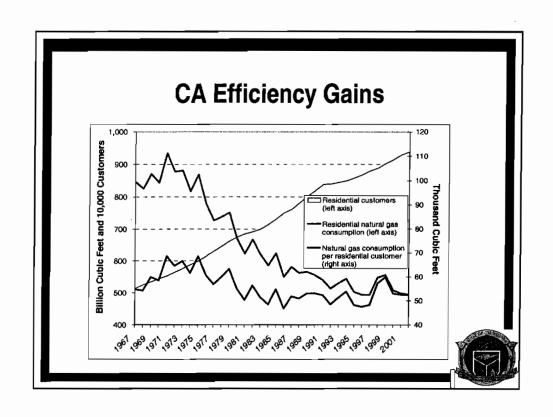


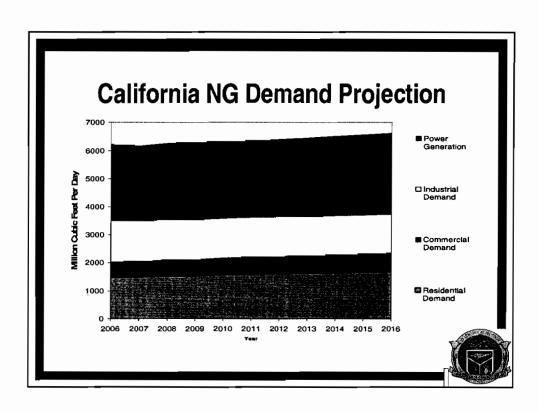


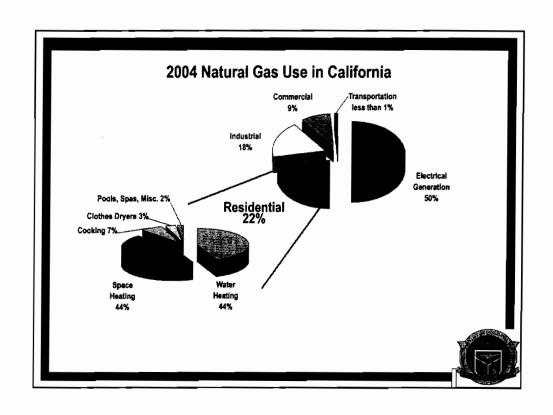


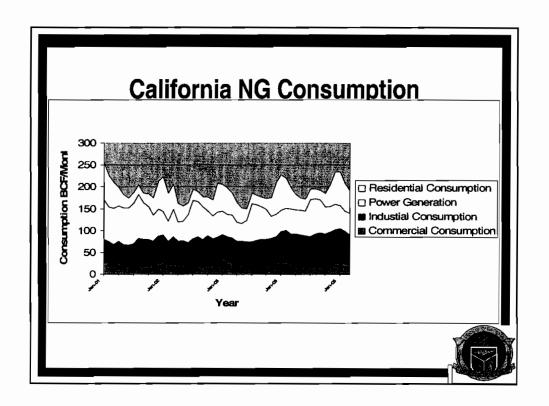


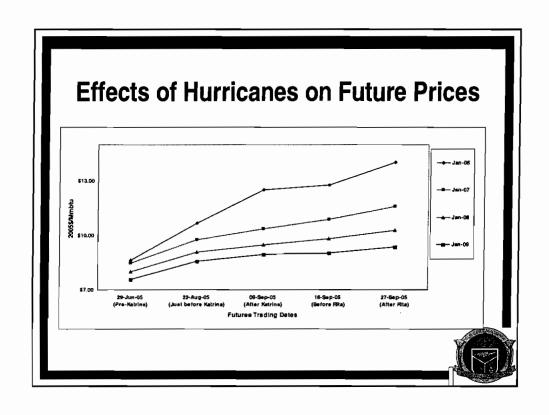


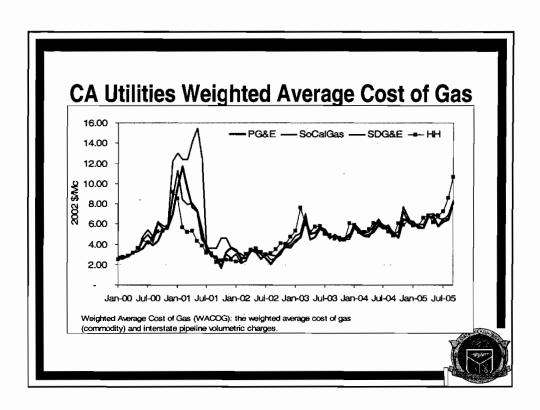


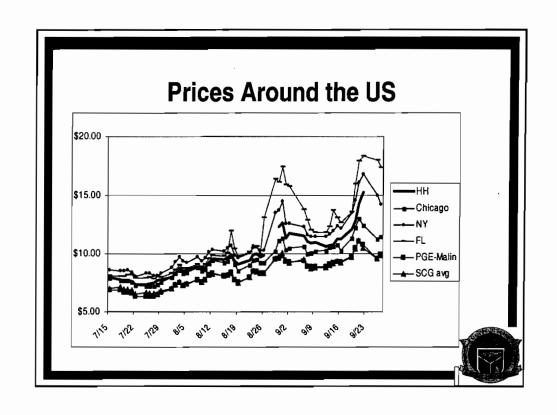


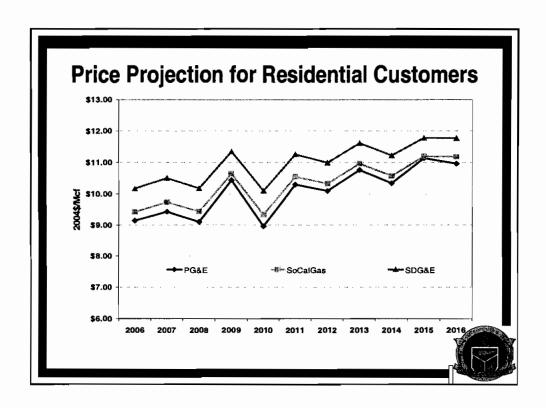


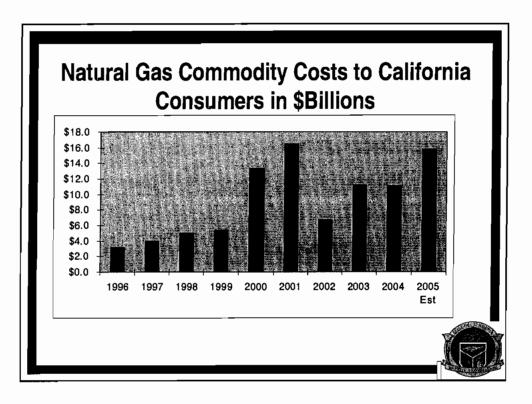












CA Consumers' Cost of NG

- At \$5/mmBtu, Californian's pay about \$11 billion for just the molecules.
- At \$10/mmBtu, Californian's pay about \$22 billion for the molecules.
- Actions that result in a 10% savings will keep an extra \$1-2 billion in our state.

California's Energy Policy

- Governor's energy policy priorities 2005
 Aug 23 response to 2003/2004 IEPR
- Energy Action Plan IILoading Order
- 2005 Draft Integrated Energy Policy Report (Energy Report)



Broad Policy Priorities

- Energy efficiency—NG programs
- Energy efficiency—NG standards
- Energy efficiency—electric
- Renewable electric energy programs
- Distributed generation
- Increase fuel type diversity
- Increase fuel supply diversity
- Additional NG infrastructure



Policies on NG

- Increase energy efficiency efforts
- Diversify sources of supply
- Develop alternative supplies
 - □ Biogas from ag operations
 - □ Landfill gas
 - □ Instate stranded gas
- Support molecules from LNG on West Coast

What Can Residential Consumers Do?

- Turn down your thermostat to 68 degrees
- Replace or clean furnace filters once a month
- Reduce hot water temperature
- Seal up the leaks
- Consider replacing your old gas appliances with an ENERGY STAR® water heater or furnace
- For more tips check the web at
 - □ www.energy.ca.gov/consumerfuels/



